

AMBULATORY SURGICAL CENTERS'

PRELIMINARY

UTILIZATION REPORT, INDIANA, 2003

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Introduction

On a quarterly basis, the Indiana State Department of Health requests licensed ambulatory surgical centers to describe their resources, utilization, and outcome from the surgical procedures. This report summarizes the information for calendar year 2003.

Characteristics of Ambulatory Surgical Centers

As of December 31, 2003, there were 119 ambulatory surgical centers in Indiana, located in 29 of the 92 counties. The majority of these centers have the following characteristics

CHARACTERISTICS OF CENTERS	STATEWIDE STATISTICS
Number of surgical centers	119
Percent of centers in urban counties of Indiana	91.6%
Percent of centers with all physicians focusing on a single specialty	51%
Percent that are MD owned	58%
Percent of for-profit corporations	98%
Average number of operating rooms	2.6

These centers are established, equipped, and operated primarily for the purpose of performing needed medical surgical procedures and services. These centers are an alternative source of surgery performed in hospital-based outpatient operating rooms.

Annual Utilization Statistics

In 2003, physicians, dentists, or podiatrist performed 444,368 procedures on 339,401 patients in 119 centers. Each surgical center performed an average of 312 procedures every 30 days.

It is estimated that this surgical volume represented 5 percent of all outpatient surgeries performed. In Fiscal Year 2003, the Indiana Hospital and Health Association determined that physicians in hospital-based outpatient operating rooms performed 10,111,101 procedures. The remaining one percent of surgeries are performed in offices of independent physician practices.

The ambulatory surgical centers serve three distinct patient populations: the middle-aged population seeking assistance with digestive problems, the elderly seeking removal of cataracts, and all other patients seeking general outpatient surgical care.

CHARACTERISTICS OF PATIENT POPULATION	STATEWIDE PERCENT
Percent of Females	54.7%
Percent of Patients aged 1 to 17 years	7.6%
Percent of Patients aged 18 to 64 years	59.7%
Percent of Patients aged 65 years and older	32.7%
Percent of Patients reimbursed under Medicaid	4.7%

The number of operating rooms, total annual procedures, and principal surgical focus by center is shown in Table A. The trend line on the growth of centers and procedures is shown below:

	2001	2002	2003
Total Ambulatory Surgery Centers	99	114	119
Total Procedures	367,326	398,295	444,368

In 2003, the majority of these centers focused on performing procedures on the eye and the digestive system.

The most frequent surgical procedure groups filed in quarterly reports are seen below.

NAME OF MOST FREQUENT PROCEDURE GROUPS	CPT CODE	# OF ASCs	NUMBER OF PROCEDURES	AVERAGE PER CENTER
Integumentary (Skin) System	10040-19499	36	3,307	92
Musculoskeletal System	20000-29909	46	21,441	466
Respiratory System	30000-32999	19	10,088	531
Digestive System	40490-49999	53	93,258	1,760
Urinary System	50010-53899	12	4,532	377
Genital System	54000-58999	23	7,507	326
Nervous System	61000-64999	56	45,748	816
Eye and Ocular System	65091-68999	56	75,223	1,343
Auditory System	69000-69999	34	10,451	307
Cardiac Catheterization	93501-93572	5	7,765	1,553
	Other	-	165,048	-
Total Of All Reported Procedures	Total	119	444,368	3,735

1. Procedure codes are abstracted from the AMA Physician Current Procedural Terminology (CPT-4).
2. The number of the 50 most frequent procedure groups by CPT diagnostic category in the state for all centers is seen on Table B.

Outcome from Surgery

Patients are referred to a surgical center based on recommendations from their health care provider. Most patients arrive with low risk for surgery and have no prior chronic problem that may interfere with the new procedure. Most patients are treated within two or three hours and discharged to family members under the care of their family physician.

A small percent of these patients do expect limited problems after the operation, and are referred to an acute care hospital for treatment of stable or unstable medical conditions. The percent of inpatient transfer is higher with patients with existing cardiac or acute problems seen prior to surgery.

OUTCOMES FROM SURGICAL PROCEDURES	STATEWIDE STATISTICS
Number of patients transferred to a hospital with stable medical conditions.	1,578 of 444,368 patients

Number of patients transferred to a hospital with unstable medical conditions	69 of 444,368 patients
Number of patients with a post-surgical wound infection	294 of 444,368 patients
Number of patient deaths	1 Death
Percent of patients with no other medical problems other than need for surgery	37.3 %
Percent of patients with an other chronic (mild) systemic disease prior to surgery	45.6%
Percent of patients with an other acute (severe) systemic disease prior to surgery	17.1%

It is recommended that individuals considering outpatient surgery discuss the need with their physician, discuss coverage with their insurance representative, and notify the surgeon of any prior conditions prior to arrival at the surgical center.

TABLE A

SUMMARY OF KEY RESOURCES AND UTILIZATION, 2003

AMBULATORY SURGICAL CENTERS, INDIANA

NAME OF CENTER	COUNTY NAME	# OF OPERATING Procedure ROOMS	KEY PROCEDURAL SPECIALIZATION	TOTAL 2003 PROCEDURES
Advanced Surgery Center	Tippecanoe	5	Eye	2,619
Aesthetic Surgery Center	Hamilton	3	Plastic	184
Akin Medical Center	Floyd	2	Allergy	727
Allied Physician Surgery Center	St Joseph	10	General	10,558
Apac Surgery Center II	Lake	1	Pain	831
Athens Diagnostics Surgical Cnt	Montgomery	2	General	3,090
Beltway Surgery Centers	Marion	9	General	8,178

Bloomington Endoscopy Center	Monroe	3	Digestive	5,250
Bloomington Surgery Center	Monroe	3	Eye	3,510
Calumet Surgery Center	Lake	5	General	3,765
Care Labs	Marion	1	General	1,063
Center for Special Surgery	Marion	2	Pain	588
Centers for Pain Management	Lake	2	General	2,421
Central IN Laser & Surgery	Howard	2	Eye	843
Central IN Orthopedic Surgery	Delaware	2	Orthopedics	336
Central IN Orthopedic Surgery	Madison	2	Orthopedics	3,241
Central Indiana Surgery Center	Marion	3	Eye	858
Chandana Surgery Center	Porter	3	General	2,821
CLI Surgery	Allen	3	Eye	1,003
Columbus Eye Surgery Center	Bartholomew	1	Eye	1,291
Columbus Surgery Center	Bartholomew	3	General	2,732
Community Surgery Center	Lake	9	General	7,291
Digestive Health Center	Hamilton	2	Digestive	4,606
Dupont Surgery Center	Allen	6	General	11,886
Eastern IN Cnt for Ambulatory	Wayne	4	General	7,015
Endoscopy Center	Marion	3	Digestive	6,574
Evansville Deaconess	Vanderburgh	7	General	6,248
Evansville Newburgh Center	Warrick	5	General	3,681
Eyecare Consultants Surgery Cnt	Vanderburgh	2	Eye	1,776
Foot & Ankle Surgery Center	Marion	3	Podiatry	1,534
FW Cardiology Cath	Allen	1	Cardiology	990
FW Endoscopy Center	Allen	3	Digestive	2,691
FW Ophthalmic Surgery Center	Allen	4	Eye	5,152
FW Orthopaedics Surgicenter	Allen	5	General	7,052
Franciscan Surgery Center	Marion	6	General	5,399
Gastrointestinal Endoscopy Cnt	Vanderburgh	2	Digestive	5,257
Goshen Ambulatory Care Center	Elkhart	4	General	3,108
Grand Park Surgical	Lake	2	General	982
Grossnickle Eye Surgery Center	Kosciusko	2	Eye	5,406
IMA Endoscopy Surgical	Lake	2	Digestive	3,060
Indiana Eye Clinic	Johnson	2	Eye	2,550
IN Surgery Center Noblesville	Hamilton	7	General	4,936
Indiana Surgery Howard	Howard	4	Howard	4,071
Indiana Surgery Center North	Marion	8	General	12,390
IN Surgery Cnt 16 th Street	Marion	6	General	5,070
Indiana Surgery South Campus	Marion	5	General	6,874
Indianapolis Endoscopy Center	Marion	3	Digestive	9,034

John Kenyon Surgery For Eye	Clark	3	Eye	1,459
KK & A Surgery Center	Floyd	4	Orthopedics	3,950
Lafayette Amb Surgery Center	Tippecanoe	4	General	1,280
Lafayette Cath Lab	Tippecanoe	1	Cardiology	2,550
Lake Park Surgicare	Lake	6	General	4,384
Lakeview Ambulatory	Lake	3	General	5
Laser & Skin Surgery Center	Hamilton	2	Dermatology	843
Marion Surgicenter	Grant	3	General	1,699
Medical Group Surgery Center	LaPorte	4	General	2,575
Meridian Endoscopy Center	Marion	4	Digestive	6,293
Meridian Plastic Surgery Center	Marion	3	Plastic	5,341
Merrillville Center Advanced	Lake	2	Digestive	7,321
Michiana Endoscopy Center	St Joseph	3	Digestive	8,460
Mid-America Surgery Center	Delaware	4	General	4,000
Midwest Surgery Center	Vigo	3	General	1,606
Muncie Ambulatory Surgicenter	Delaware	4	Eye	3,538
Muncie Cataract and Laser Eye	Delaware	3	Eye	1,278
Munster Same Day Surgery Cnt	Lake	4	General	3,865
Naab Road Surgery Center	Marion	7	General	10,267
North Central Health Services	Tippecanoe	2	General	547
North Meridian Surgery Center	Hamilton	3	General	2,355
Northeast IN Endoscopy Center	Allen	2	Digestive	4,508
Northside Cardiac Cath Lab	Marion	2	Cardiology	3,401
Northside Gastroenterology Endo	Marion	4	Digestive	7,509
Northwest Surgery Center	Marion	5	General	6,143
Novamed Eye New Albany	Floyd	8	Eye	4,451
Novamed Eye Hammond	Lake	3	Eye	1,907
Oakview Surgery Center	Fulton	1	Podiatry	156
OSMC Outpatient Surgery Center	Elkhart	3	General	4,311
Pain Center Southern Indiana	Bartholomew	5	Pain	1,748
Premier Surgery Center	Allen	7	General	3,826
Primesource Healthcare ASC	Marion	3	Eye	422
Richmond Cataract & Laser	Wayne	4	Eye	209
Richmond Surgery Center	Wayne	4	General	4,040
River View Surgery Center	Grant	9	General	5,337
Riverpointe Cardiovascular Lab	Elkhart	1	Cardiology	501
Riverpointe Surgery Center	Elkhart	1	General	4,504
Sagamore Surgical Service	Tippecanoe	3	General	2,305
South Bend Clinic & Surgicenter	St Joseph	2	General	2,138
South Central Surgery Center	Johnson	4	General	1,299

South Emerson Surgery Center	Marion	3	Orthopedics	2,129
Southeast Surgery Center	Marion	4	Pain	6,409
Southern Indiana Endoscopy	Floyd	3	Digestive	4,043
Southern Indiana Surgery Center	Monroe	6	General	7,277
Spine Rehab Ambulatory	Marion	2	Pain	1,477
Spring Mill Surgery Center	Hamilton	9	General	659
St Charles Surgical Pavilion	St Joseph	2	General	2,305
Summit Plastic Surgery	Allen	3	Plastic	1,778
Surgery Center Pain Southern	Monroe	2	Pain	6,516
Surgery Center Eye Specialty	Marion	2	Eye	4,791
Surgery Center (Hand)	Marion	3	Orthopedics	6,409
Surgery Center of Indianapolis	Marion	5	General	10,091
Surgery Center of Ophthalmology	Allen	3	Eye	1,138
Surgery Center Southeastern IN	Decatur	4	General	1,146
Surgery Center Plus	Marion	4	General	1,834
Surgery Center (Allen)	Allen	3	Digestive	5,948
Surgery One	Allen	5	Orthopedics	8,703
Surgical Care Center	Marion	4	General	3,555
Surgical Center of New Albany	Floyd	4	General	1,517
Surgicare LLC	Monroe	2	General	4,075
Surgicare Outpatient Surgery Cnt	Vanderburgh	13	General	8,177
Terre Haute Heart Center Cath	Vigo	1	Cardiology	580
Unity Surgery Center	Tippecanoe	4	General	8,663
Valley Surgery Center	Vanderburgh	3	Eye	2,453
Vincennes Surgery Center	Knox	4	General	477
Vision SC Springhill	Clark	2	General	3,178
Wabash Valley Eye	Knox	3	Eye	1,568
Welborn Clinic Surgery	Vanderburgh	5	General	6,224
Whitewater Valley Surgery Cnt	Montgomery	2	General	1,783
Williams Eye Surgery Center	Lake	3	Eye	1,737
Women's Physician Surgery	Marion	5	General	11,653
Woodlawn Healthcare	LaPorte	2	General	5,336
Subtotal 119 ASCs	(28)	(435)	-	444,368

TABLE B

NUMBER OF 50 MOST FREQUENT PROCEDURE CODES*

BY CURRENT TERMINOLOGY DIAGNOSTIC CATEGORY,

AMBULATORY SURGICAL CENTERS, INDIANA, 2003

ANATOMICAL SYSTEM	CPT CODE	PROCEDURE DESCRIPTION	# CASES
Skin	19120	Excision of cyst or breast tissue (36)	679
10040-19499	19125	Excision of breast lesion (37)	660
	19325	Mammaplasty with implant (24)	1,237
	Other		731
	Subtotal	Of Procedures of Integumentary System	3,307
Muscles	26055	Tendon Sheath (27)	970
20000-29909	28285	Hammertoe operation (34)	723
	20680	Removal of deep implant (49)	529
	29826	Arthroscopy with acromioplasty (18)	1,822
	29877	Chondroplasty (20) (1,477
	29881	Arthroscopy with meniscectomy (9)	5,645
	Other		9,022
	Subtotal	Of Procedures of Musculoskeletal System	21,441
Respiratory	30140	Submucous resection turbinate (25)	1,226
30000-32999	30520	Septoplasty or submucous resection (16)	2,129
	31255	Endoscopy with ethmoidectomy (15)	2,231
	31256	Endoscopy with maxillary antrostomy (35)	706
	31267	Sinus Endoscopy with polyp removal (19)	1,515
	31288	Sinus Endoscopy (23)	1,297
	Other		984
	Subtotal	Of Procedures of Respiratory System	10,088
Digestive	42820	Tonsillectomy (12)	4,150
40490-49999	42826	Secondary Tonsillectomy (38)	649
	42830	Adenoidectomy (41)	596
	43239	Upper gastrointestinal with biopsy (4)	15,985
	43248	Gastrointestinal endoscopy tube (13)	2,489

	43580	Pyloromotomy (42)	579
	45378	Colonoscopy, flexible (2)	26,449
	45380	Colonoscopy with biopsy (7)	8,929
	45383	Sigmoidoscopy diagnostic (26)	1,156
	45384	Colonoscopy to remove tumor (11)	4,638
	45385	Colonoscopy to snare/remove tumor (5)	12,330
	47562	Cholecystectomy excision (21)	1,325
	49505	Repair of inguinal hernia (29)	1,268
	Other		12,719
	Subtotal	Of Procedures on Digestive System	93,258
SYSTEM	CPT	PROCEDURE DESCRIPTION	# CASES
Urinary	50590	Lithotripsy, extracorporeal shock (42)	795
50010-53899	53780	Urethra Repair (46)	534
		Other	3,207
	Subtotal	Of Procedures on Urinary System	4,532
Genital	55250	Vasectomy (47)	532
54000-58999	58558	Hysteroscopy surgical (17)	1,970
	58563	Hysteroscopy with endometrial ablation (45)	564
	58662	Laparoscopy with excision of lesion (40)	608
	58670	Laparoscopy (28)	927
	58970	Follicle puncture for oocyte retrieval (33)	735
	58974	In Vitro fertilization (44)	577
	Other		1,594
	Subtotal	Of Genital System	7,507
Nervous	64622	Somatic Nerve Destruction (22)	1,301
61000-64999	64721	Neuroplasty to carpal tunnel (8)	6,744
	Other		37,703
	Subtotal	Of Procedures on Nervous System	45,748
Eye	65038	Evisceration of ocular contents (45)	728
65091-68899	65855	Trabeculoplasty (30)	783
	66761	Iridotomy (31)	755
	66821	YAG Laser on lens capsule (3)	16,810
	66981	Intracapsular cataract extraction (35)	1,061

	66982	Extracapsular Cataract Removal with lens(50)	528
	66984	Extracapsular Cataract Removal (1)	47,665
	66999	Anterior segment of eye (14)	2,470
	67038	Vitreectomy (32)	748
	67210	Retina Photocoagulation (39)	613
	67311	Strabismus Surgery (42)	584
	Other		2,478
	Subtotal	Of Procedures on Eye and Ocular System	75,223
Auditory	69436	Tympanostomy (6)	9,522
69000-69999	Other		929
	Subtotal	Of Procedures on Auditory System	10,451
Catheterization	93510	Left Heart Catheterization (10)	5,207
93501-93572	93526	Right Heart Catheterization (48)	530
	Other		2,028
	Subtotal	Of Cardiac Catheterization Procedures	7,765
All Other Procedures			165,048
TOTAL	Of	All REPORTED PROCEDURES	444,368

* Note: Removed procedures from top 50 list that were listed as Payment Group 1 in the March 28, 2003 Federal Register.